



MATERIAL SAFETY DATA SHEET

1. Identification of substance :

| | | |
|-------------------------|---|--|
| Product details | : | Graphite Grease |
| Trade Name | : | Chakrol Graphite Grease. |
| Manufacturer / Supplier | : | Sri Chakra Lubes (P) Ltd 153/2, Manapet Road, Kanniakoil Pondicherry 607 402, email id: ch.qc@chakrol.com Ph: +91-413-2611201/ +91 44 2433 2902. |

2. Composition / Data on components :

Chemical Characterization & Description : Mixture containing refined Mineral oils ,Calcium Stearate, Graphite Powder & Additives.

3. Hazards identification :

Hazards designation

ACUTE EFFECTS:

HEALTH HAZARDS, GENERAL : No specific health hazard noted.

CHRONIC EFFECTS:

SENSITIZATION : No known information.

CARCINOGENICITY : **IARC**: Not listed ; **OSHA** :Not Regulated ; **NTP**: Not Listed

HEALTH WARNINGS : **INHALATION** : Oil mist can irritate airways and lungs
SKIN CONTACT : Repeated or prolonged contact can result in drying of the skin.
EYE CONTACT : Irritating.
INGESTION : Can cause stomach ache and Vomiting.

ROUTE OF ENTRY : Inhalation ;Skin and/or eye contact ; Ingestion.

4. First aid measures :

| | | |
|---------------------|---|---|
| General information | : | a. Change clothes and shoes contaminated or soaked by the product. b. Never put rags contaminated by the product into cloth-pockets. |
| After inhalation | : | Provide fresh air, consult a doctor in case of symptoms. (Eventually by inhaling the overheated product) |
| After Skin contact | : | The product is not skin irritating. |
| After Eye contact | : | Rinse opened eye for several minutes under running water. |
| After swallowing | : | In case of persistent symptoms consult doctor. |

5. Fire Fighting measures :

Suitable extinguishing agents : CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use fire-fighting measures that suit the environment. For safety reasons, water is unsuitable extinguishing agent.

Protective equipment :In case of fire fighting , wear self containing breathing apparatus.

6. Accidental release measures:

Person related safety precautions : Particular danger of slipping on leaked / spilled product.

Measures for environmental protection : Do not allow to enter drainage system, surface or ground water. Prevent from spreading (e.g. by damming-in or oil barriers). Do not allow to enter the ground / soil.

Measures for cleaning / collecting :Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, saw dust) .Dispose of the material collected according to regulations.

Additional information :No dangerous materials are released.

7. Handling and Storage:

Store in clearly marked containers under cover at maximum temperature of 40°C.
 Keep away from food and drink.
 Local regulations concerning handling and storage of water polluting products have to be followed.

8. Exposure control / Personal Protection:

Eyes : Safety goggles or face shield recommended where operations may cause splash into eyes.

Skin : The use of gloves or suitable barrier creams is recommended where prolonged and repeated contact with the product is inevitable.

Industrial Hygiene : Good working practices and personal hygiene standards should be maintained at all times .

- a. Wash hands after use and always before eating, drinking, smoking and before using the toilet.
- b. Change heavily contaminated clothing as soon as reasonably practicable.
- c. Wash any contaminated underlying skin with soap and water.



9. Physical and chemical properties:

| | | |
|--|---|----------------------------------|
| Form | : | Solid Paste |
| Colour | : | Brownish Black |
| Flash Point | : | >220 °C ASTM D 92 |
| Self-inflammability | : | Product is not self-igniting |
| Danger of explosion | : | Product is not explosive |
| Solubility in / Miscibility with water | : | Not miscible or difficult to mix |
| Dropping point | : | min 90 °C ASTM D 566 |
| Penetration @ 25 °C | : | NLGI -1 = 290-310 ASTM D 217 |

10. Stability and reactivity:

Thermal decomposition / conditions to be avoided : No decomposition if used according to specifications.
 Dangerous reactions : No dangerous reactions known.
 Dangerous products of composition : No dangerous decomposition products known.

11. Toxicological information:

Mild toxicity.

Primary irritant effect

on the skin : No irritant effect known

on the eye : No irritant effect known

Sensitization : No sensitizing effect known

Additional toxicological information :

The product is now subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information:

Behavior in environmental systems : No data available

Mobility and bioaccumulation potential : No data available.

Eco toxic effects : No data available.

Behavior in sewage processing plant :

The products sinks in the sewage water on account of its high specific gravity, eventually it is able to pass the conventional collector for light-density material.

13. Disposal consideration:

Products : Small Quantities.

Recommendation

Smaller quantities have to be disposed in line with local legislation.

Un cleaned packaging :

Recommendation

Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning.

Small one-way packaging have to be disposed accordingly as per prevailing local regulations.

14. Transport information:

Not classified

15. Regulatory information:

Designation according to EU guidelines :

Observe the normal safety regulations when handling chemicals or mineral oil products.

National regulations : Not applicable

16. Other information:

NFPA HAZARD RATING

HEALTH : Irritation, minor residual injury (1)

FLAMMABILITY : Burns only if pre- heated(1)

REACTIVITY : N/A (0)